

## **AMENDMENTS TO THE CLAIMS**

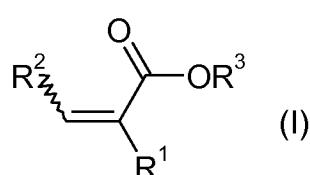
The following Listing of Claims replaces all previous versions of listings of claims in this application.

### **Listing of Claims:**

1.-33. (Canceled)

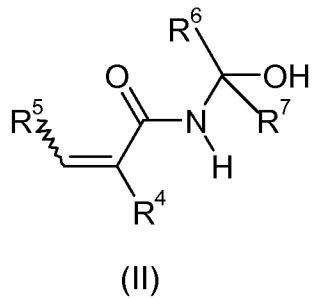
34. (Withdrawn) An insecticide or repellent composition for application to a textile material or plastics material which composition comprises a mixture including  
a) at least one insecticide and/or at least one repellent as component A, and  
b1) at least one acrylic binder as component B1 obtainable by emulsion polymerisation of the following components:

- b1a) n-butyl acrylate as component B1A,
- b1b) at least one monomer of formula I as component B1B



wherein

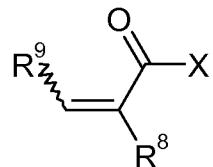
$R^1$ ,  $R^2$  and  $R^3$  are independently selected from  $C_1$ - to  $C_{10}$ -alkyl which may be linear or branched; substituted or unsubstituted aryl;  
 $R^1$  and  $R^2$  may further be H;  
except of  $R^3$  = n-butyl, when  $R^1$  and  $R^2$  are H;  
b1c) at least one monomer of formula II as component B1C



wherein

$R^4$ ,  $R^5$ ,  $R^6$  and  $R^7$  are independently selected from the group consisting of H, C<sub>1</sub>- to C<sub>10</sub>-alkyl which may be linear or branched; substituted or unsubstituted aryl;

b1d) optionally at least one monomer of formula III as component B1D

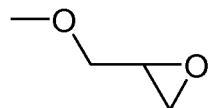


(III)

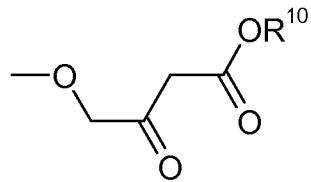
wherein

$R^8$  and  $R^9$  are independently selected from the group consisting of H, C<sub>1</sub>- to C<sub>10</sub>-alkyl which may be linear or branched; substituted or unsubstituted aryl;

X is selected from the group consisting of H, OH, NH<sub>2</sub>, OR<sup>11</sup>OH, glycidyl, hydroxypropyl,



groups of the formula



wherein

R<sup>10</sup> is selected from the group consisting of C<sub>1</sub>- to C<sub>10</sub>-alkyl which may be branched or linear; substituted or unsubstituted aryl;

R<sup>11</sup> is selected from the group consisting of C<sub>1</sub>- to C<sub>10</sub>-alkylene; substituted or unsubstituted arylenes;

b1e) optionally further monomers which are copolymerizable with the monomers mentioned above selected from

b1e1) polar monomers as component B1E1;

and/or

b1e2) non polar monomers as component B1E2.

35. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, wherein the acrylic binder is obtainable by emulsion polymerization of the following components:

b1a) 10 to 90% by weight, preferably 15 to 80% by weight, more preferably 20 to 70% by weight of component B1A;

b1b) 10 to 90% by weight, preferably 12 to 85% by weight, more preferably 15 to 65% by weight of component B1B;

b1c) 1 to 5 % by weight of component B1C;

b1d) 0 to 5 % by weight, preferably 1 to 4 % by weight, more preferably 0.2 to 3% by weight of component B1D;

b1e) further monomers which are copolymerizable with the monomers mentioned above selected from

b1e1) 0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably 5 to 20 % by weight of component B1E1; and/or

b1e2) 0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably 5 to 20 % by weight of component B1E2;

wherein the sum of the components B1A, B1B, B1C and optionally B1D and B1E is 100 % by weight.

36. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, wherein the acrylic binder is obtainable by emulsion polymerization of the following components:

b1a) 30 to 85% by weight of component B1A;

b1b) 10 to 90% by weight, preferably 12 to 85% by weight, more preferably 15 to 65% by weight of component B1B;

b1c) 1 to 5 % by weight of component B1C;

b1d) 0 to 5 % by weight, preferably 1 to 4 % by weight, more preferably 0.2 to 3% by weight of component B1D;

b1e) further monomers which are copolymerizable with the monomers mentioned above selected from

b1e1) 0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably 5 to 20 % by weight of component B1E1; and/or

b1e2) 0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably 5 to 20 % by weight of component B1E2;

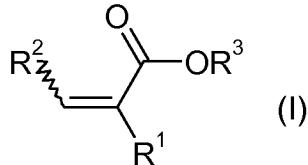
wherein the sum of the components B1A, B1B, B1C and optionally B1D and B1E is 100 % by weight.

37. (Currently amended) An insecticide or repellent composition for application to a textile material or plastics material which composition comprises a mixture including

a) at least one insecticide and/or repellent as component A, and  
b) at least one acrylic binder as component B1 obtainable by emulsion polymerization of the following components:

b1a) 30 to 85 % by weight of n-butylacrylate as component B1A;

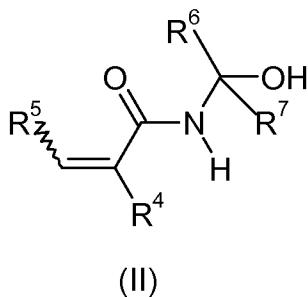
b2b) 0 to 65 % by weight of at least one monomer of formula I as component B1B



wherein

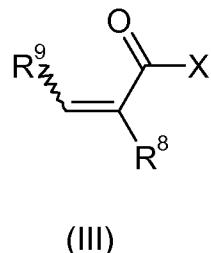
~~R<sup>1</sup> is H or methyl, R<sup>2</sup> is H and R<sup>3</sup> is methyl, ethyl, or 2-ethylhexyl, as component B1B, most preferably component B1B is 2-ethylhexylacrylate, methylacrylate, methylmethacrylate or ethylacrylate;~~

b1c) 1 to 5 % by weight of at least one monomer of formula II

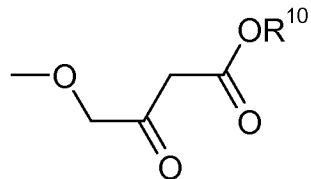


wherein R<sup>4</sup> is H or methyl, R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> each are H as component B1C;

~~b1d) 1 to 10 % by weight, preferably 1 to 7 % by weight, more preferably 2 to 5 % by weight of at least one monomer of formula III~~



wherein R<sup>8</sup> and R<sup>9</sup> are H and X is H, OH, NH<sub>2</sub>, OR<sup>11</sup>OH, glycidyl or a group of the formula



wherein

$R^{10}$  is selected from the group consisting of  $C_1$ - to  $C_{10}$ -alkyl which may be branched or linear, ~~for example methyl, ethyl, n-propyl, i-propyl, n-butyl, i-butyl, sec-butyl, tert-butyl, n-pentyl, i-pentyl, sec-pentyl, neo-pentyl, 1,2-dimethylpropyl, i-amyl, n-hexyl, i-hexyl, sec-hexyl, n-heptyl, n-octyl, 2-ethylhexyl, n-nonyl, n-decyl~~; preferably  $C_4$ - to  $C_8$  alkyl, which may be branched or linear, ~~for example methyl, ethyl, n-propyl, iso-propyl, n-butyl, iso-butyl, sec-butyl and tert-butyl~~; and substituted or unsubstituted aryl, ~~preferably substituted or unsubstituted  $C_6$ - to  $C_{10}$  aryl, more preferably substituted or unsubstituted  $C_6$ -aryl, for example phenyl or tolyl~~;

$R^{11}$  is selected from the group consisting of  $C_1$ - to  $C_{10}$ -alkylene, ~~for example methylene, ethylene, propylene, butylene, pentylene, hexylene, heptylene, octylene, nonylene, decylene~~; preferably  $C_4$ - to  $C_8$  alkylene, ~~for example methylene, ethylene, propylene, butylenes~~; and substituted or unsubstituted arylenes, ~~preferably substituted or unsubstituted  $C_6$ - to  $C_{10}$  arylene, more preferably substituted or unsubstituted  $C_6$ -arylene, for example phenylene~~;

as component B1D, ~~most preferably X is acetoacetyl~~;

b1e) further monomers which are copolymerizable with the monomers mentioned above selected from

b1e1) ~~0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably 5 to 20 % by weight~~ of component B1E1, ~~preferably (meth)acrylic nitrile and/or methyl(meth)acrylate~~;

and/or

b1e2) ~~0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably 5 to 20 % by weight~~ of component B1E2, ~~preferably styrene and/or a-methylstyrene~~;

wherein the sum of components B1A, B1B, B1C and optionally B1D and B1E is 100 % by weight.

38. (Currently amended) An insecticide or repellent composition as claimed in claim 37, wherein component B1 is obtainable by emulsion polymerization of the following components:

- b1a) 81.0 % by weight of n-butylacrylate as component B1A;
- b1c) 2.0 % by weight of N-methylol methacrylamide as component B1C;
- b1d) 1.0 % by weight of acrylic acid as component B1D;
- b1e1) 16 % by weight of acrylic nitril-nitrile as component B1E1.

39. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, wherein the insecticide is selected from

pyrethroid compounds, preferably

Etofenprox: 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether,

Chlorfenapyr: 4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-(trifluoromethyl)-pyrrole-3-carbonitrile,

Fenvalerate: (RS)-alpha-cyano-3-phenoxybenzyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate,

Esfenvalerate: (S)-alpha-cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)-3-methylbutyrate,

Fenpropothrin: (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropane-carboxylate,

Cypermethrin: (RS)-alpha-cyano-3-phenoxybenzyl (1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,

alpha-Cypermethrin: racemate comprising the (S)- $\alpha$ -(1R) and (R)- $\alpha$ -(1S) diastereomers,

Permethrin: 3-phenoxybenzyl (1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,

Cyhalothrin: (RS)-alpha-cyano-3-phenoxybenzyl (Z)-(1RS)-cis-3-(2-chloro-3,3,3-

trifluoroprop-1-enyl)-2,2-dimethylcyclopropane carboxylate, lambda-cyhalothrin,

Deltamethrin: (S)-alpha-cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate,

Cycloprothrin: (RS)-alpha-cyano-3-phenoxybenzyl (RS)-2,2-dichloro-1-(4-ethoxyphenyl)cyclopropane carboxylate,

Fluvalinate: alpha-cyano-3-phenoxybenzyl N-(2-chloro-alpha, alpha, alpha, alpha-trifluoro-p-tolyl)-D-valinate,

Bifenthrin: (2-methylbiphenyl-3-ylmethyl)0(Z)-(1RS)-cis-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate,

2-methyl-2-(4-bromodifluoromethoxyphenyl)propyl (3-phenoxybenzyl)ether,

Tralomethrin: (S)-alpha-cyano-3-phenoxybenzyl (1R-cis)3((1'RS)(1', 2', 2', 2'-tetrabromoethyl))-2,2-dimethylcyclopropane carboxylate,

Silafluofen: 4-ethoxyphenyl(3-(4-fluoro-3-phenoxyphenyl)propyl}dimethylsilane,

D-fenothrin: 3-phenoxybenzyl (1R)-cis, trans)-chrysanthemate,

Cyphenothrin: (RS)-alpha-cyano-3-phenoxybenzyl (1R-cis, trans)-chrysanthemate, D-resmethrin: 5-benzyl-3-furylmethyl (1R-cis, trans)-chrysanthemate,

Acrinathrin: (S)-alpha-cyano-3-phenoxybenzyl (1R-cis(Z))-2,2-dimethyl-3-(oxo-3-(1,1,1,3,3-hexafluoropropoxy)propenyl)cyclopropane carboxylate,

Cyfluthrin: (RS)-alpha-cyano-4-fluoro-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate,

Tefluthrin: 2,3,5,6-tetrafluoro-4-methylbenzyl (1RS-cis (Z))-3-(2-chloro-3,3,3-trifluoro-prop-1-enyl)-2,2-dimethylcyclopropane carboxylate,

Transfluthrin: 2,3,5,6-tetrafluorobenzyl (1R-trans)-3-(2,2-dichlorovinyl)-2,2-dimethyl-cyclopropane carboxylate,

Tetramethrin: 3,4,5,6-tetrahydronaphthalimidomethyl (1RS)-cis, trans-chrysanthemate,

Allethrin: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1RS)-cis, trans-chrysanthemate,

Prallethrin: (S)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (1R)-cis, trans-chrysanthemate,

Empenthrin: (RS)-1-ethynyl-2-methyl-2-pentenyl (1R)-cis,trans-chrysanthemate,

Imiprothrin: 2,5-dioxo-3-(prop-2-ynyl)imidazolidin-1-ylmethyl (1R)-cis, trans-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate,

D-flamethrin: 5-(2-propynyl)-furfuryl (1R)-cis, trans-chrysanthemate, and 5-(2-propynyl)furfuryl 2,2,3,3-tetramethylcyclopropanecarboxylate;

Pyriproxyfen: 4-phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether;

pyrethrum;

d-d, trans-cyphenothrin: (RS)- $\alpha$ -cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate;

DDT;

Carbamate compounds, preferably

Alanycarb: S-methyl-N[[N-methyl-N-[N-benzyl-N(2-ethoxy-carbonylethyl)amino-thio]carbamoyl]thioacetimidate,

Bendiocarb: 2,2-dimethyl-1,3-benzodioxol-4-yl-methylcarbamate),

Carbaryl(1-naphthyl N-methylcarbamate,

Isoprocarb: 2-(1-methylethyl)phenyl methylcarbamate,

Carbosulfan: 2,3 dihydro-2,2-dimethyl-7 benzofuranyl[(dibutylamino)thio]methyl-carbamate,

Fenoxy carb: Ethyl[2-(4-phenoxyphenoxy)ethyl]carbamate,

Indoxacarb: Methyl-7-chloro-22,3,4°,5-tetrahydro-2-[methoxycarbonyl (-4-trifluoromethoxyphenyl)]

Propoxur: 2-isopropoxyphenol methylcarbamate,

Pirimicarb: 2-dimethylamino-5,6-dimethyl-4-pyrimidinyl-dimethylcarbamate,

Thiodiocarb: Dimethyl

N,N'(thiobis((methylimino)carbonoyloxy)bisethanimidiothioate);

Methomyl: S-methyl N-((methylcarbamoyl)oxy)thioacetamidate,

Ethiofencarb: 2-((ethylthio)methyl)phenyl methylcarbamate,

Fenothiocarb: S-(4-phenoxybutyl)-N,N-dimethyl thiocarbamate,

Cartap: S,S'-(2-5 dimethylamino)trimethylene)bis (thiocarbamate)hydrochloride,

Fenobucarb: 2-sec-butylphenylmethyl carbamate,

XMC: 3,5-dimethylphenyl-methyl carbamate,  
Xylcarb: 3,4-dimethylphenylmethylcarbamate;  
  
organophosphorous compounds, preferably  
Trichlorfon: Phosphoric acid, (2,2,2-trichloro-1-hydroxyethyl)-, dimethyl ester  
Fenitrothion: O,O-dimethyl O-(4-nitro-m-tolyl)phosphorothioate,  
Diazinon: O,O-diethyl-O-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate,  
Pyridaphenthion: O-(1,6-dihydro-6-oxo-1-phenylpyrazin-3-yl) O,O-diethyl phosphorothioate,  
  
Pirimiphos-Etyl: O,O-diethyl O-(2-(diethylamino)6-methyl-pyrimidinyl)phosphorothioate, Pirimiphos-Methyl: O-[2-(diethylamino)-6-methyl-4 pyrimidinyl] O,O-dimethyl phosphorothioate,  
Etrimpbos: O-6-ethoxy-2-ethyl-pyrimidin-4-yl-O,O-dimethyl-phosphorothioate,  
Fenthion: O,O-dimethyl-O-[3-methyl-4-(methylthio)phenyl phosphorothioate,  
Phoxim: 2-(diethoxyphosphinothyoxyimino)-2-phenylacetonitrile,  
Chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyrinyl)phosphorothioate,  
Chlorpyriphosmethyl: O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate,  
  
Cyanophos: O,O-dimethyl O-(4 cyanophenyl)phosphorothioate,  
Pyraclofos: (R,S)[4-chlorophenyl)-pyrazol-4-yl]-O-ethyl-S-n-propyl phosphorothioate,  
  
Acephate: O, S-dimethyl acetylphosphoroamidothioate,  
Azamethiphos: S-(6-chloro-2,3-dihydro-oxo-1,3-oxazolo[4,5-b]pyridine-3-ylmethyl phosphorothioate,  
  
Malathion: O,O-dimethyl phosphorodithioate ester of diethyl mercaptosuccinate,  
Temephos: (O,O'(thiodi-4-1-phenylene) O,O,O,O-tetramethyl phosphorodithioate,  
  
Dimethoate: ((O,O-dimethyl S-(n-methylcarbamoylethyl)phosphorodithioate,  
Formothion: S[2-formylmethylamino]-2-oxoethyl]-O,O-dimethyl phosphorodithioate,

Phenthroate: O,O-dimethyl S-(alpha-ethoxycarbonylbenzal)-phosphorodithioate;

Iodofenphos: O-(2,5-dichloro-4-iodophenyl)-O,O-dimethyl-phosphorthioate;

Insecticides with a sterilising effect on adult mosquitoes, preferably  
1-(alfa-(chloro-alpha-cyclopropylbenzylidenamino-oxy)-p-tolyl)-3-(2,6-  
difluorobenzoyl)urea,

Diflubenzuron: N-(((3,5-dichloro-4-(1,1,2,2-  
tetraflouroethoxy)phenylamino)carbonyl)2,6 difluoro benzamid,

Triflumuron: 2-Chloro-N-(((4-(trifluoromethoxy)phenyl)-amino-)carbonyl)benz-  
amide, or a triazin, preferably N-cyclopropyl-1,3,5-triazine-2,4,6-triamin; and

Lambda-cyhalothrine:

$\alpha$ -cyano-3-phenoxybenzyl-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-  
dimethylcyclopropane carboxylate, as a 1:1 mixture of (Z)-(1R,3R), R-ester and (Z)-(1S,3S), S-  
ester;

the repellent is selected from N,N-Diethyl-meta-toluamide (DEET), N,N-  
diethylphenylacetamide (DEPA), 1-(3-cyclohexan-1-yl-carbonyl)-2-methylpiperine, (2-  
hydroxymethylcyclohexyl) acetic acid lactone, 2-ethyl-1,3-hexandiol, indalone,  
Methylneodecanamide (MNDA), a pyrethroid not used for insect control, preferably {(+/-)-3-  
allyl-2-methyl-4-oxocyclopent-2-(+)-enyl-(+)-trans-chrysantemate (Esbiothrin), a repellent  
derived from or identical with plant extracts, preferably limonene, eugenol, (+)-Eucamalol (1), (-  
)1-epi-eucamalol or crude plant extracts from plants like Eucalyptus maculata, Vitex  
rotundifolia, Cymbopogan martinii, Cymbopogan citratus (lemon grass), Cymopogan nardus  
(citronella), IR3535 (ethyl butylacetylaminopropionate), icaridin (1-piperidinecarboxylic acid 2-  
(2-hydroxyethyl)-1-methylpropylester);

niclosamide as suitable mulloscicide;

suitable rodenticides of first generation anticoagulant rodenticides and second generation  
anticoagulant rodenticides selected from the group consisting of warfarin, chlorphacinone,

coumatetralyl as first generation anticoagulant rodenticides, and flocoumafen, brodifacoum, difenacoum, bromadiolone, difethialone, and bromethalin as second generation anticoagulant rodenticides;

antifungal agents as fungicides used in the case of athlete's foot selected from the group consisting of clotrimazole: 1-(2-chlorotriyl)imidazole, miconazole: 1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-1H-imidazole, econazole 4-[2-[(4-chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-4H-imidazole, tioconazole: 1-[2-[(2-chloro-3-thienyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-1H-imidazole, undecylenic acid, terbinafine hydrochloride: N,6,6-trimethyl-N-(naphthalen-4-ylmethyl)hept-2-en-4-yn-1-amine hydrochloride (lamisil topical), and tolnaftate: N-methyl-N-(m-tolyl)-1-naphthalen-3-yloxy-thioformamide;

further fungicides, preferably

Azoles, preferably selected from Bitertanol, Bromoconazol, Cyproconazol, Difenoconazole, Dinitroconazole, Epoxiconazole, Fenbuconazole, Fluquiconazole, Flusilazol, Flutriafol, Hexaconazole, Imazalil, Ipcconazole, Metconazole, Myclobutanil, Penconazole, Propiconazole, Prochloraz, Prothioconazole, Simeconazole, Tebuconazole Tetraconazole, Triadimefon, Triadimenol, Triflumizol, and Triticonazole;

Strobilurines, preferably selected from Azoxytrobin, Dimoxystrobin, Fluoxastrobin, Kresoxim-methyl, Metominostrobin Orysastrobin, Picoxytrobin, Pyraclostrobin, and Trifloxytrobin;

Acylalanines, preferably selected from Benalaxyl, Metalaxyl, Mefenoxam, Ofurace, and Oxadixyl;

Aminderivatives, preferably selected from Aldimorph, Dodine, Dodemorph, Fenpropimorph, Fenpropidin, Guazatine, Iminoctadine, Spiroxamin, and Tridemorph;

Anilinopyrimidines, preferably selected from Pyrimethanil, Mepanipyrim, and Cyprodinil;

Dicarboximides, preferably selected from Iprodion, Myclozolin, Procymidon, and Vinclozolin;

Cinnamic acid amide and analogs, preferably selected from Dimethomorph, Flumetover, and Flumorph;

Antibiotics, preferably selected from Cycloheximid, Griseofulvin, Kasugamycin, Natamycin, Polyoxin, and Streptomycin;

Dithiocarbamates, preferably selected from Ferbam, Nabam, Maneb, Mancozeb, Metam, Metiram, Propineb, Polycarbamat, Thiram, Ziram and Zineb;

Heterocyclic compounds, preferably selected from Anilazin, Benomyl, Boscalid, Carbendazim, Carboxin, Oxycarboxin, Cyazofamid, Dazomet, Dithianon, Famoxadon, Fenamidon, Fenarimol, Fuberidazol, Flutolanil, Furametpyr, Isoprothiolan, Mepronil, Nuarimol, Picobenzamid, Probenazol, Proquinazid, Pyrifenoxy, Pyroquilon, Quinoxyfen, Silthiofam, Thiabendazol, Thifluzamid, Thiophanat-methyl, Tiadinil, Tricyclazol, and Triforine M inorganics;

Nitrophenylderivatives, preferably selected from Binapacryl, Dinocap, Dinobuton, Nitrophthal-isopropyl;

Phenylpyrrole Fenpiclonil, and Fludioxonil;

Sulfonic acid derivatives, preferably selected from Captafol, Captan, Dichlofluanid, Folpet, and Tolyfluanid;

Further fungicides, preferably selected from Acibenzolar-S-methyl, Benthiavalicarb, Carpropamid, Chlorothalonil, Cyflufenamid, Cymoxanil, Dazomet, Diclomezin, Diclocten, Diclofluanid, Diethofencarb, Edifenphos, Ethaboxam, Fenhexamid, Fentin-Acetat, Fenoxanil, Ferimzone, Fluazinam, Fosetyl, Fosetyl-Aluminium, Phosphorige Säure, Iprovalicarb, Hexachlorbenzol, Metrafenon, Pencycuron, Propamocarb, Phthalid, Toloclofos-methyl, Quintozene, and Zoxamid.

40. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, wherein the particle size of the insecticide and/or repellent is from 50 nm to 20  $\mu\text{m}$ , preferably 50 nm to 8  $\mu\text{m}$ , more preferably 50 nm to 4  $\mu\text{m}$ , most preferably 50 nm to 500 nm.

41. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, further comprising one or more component selected from water, preservatives, detergents, stabilizers, agents having UV-protecting properties, optical brighteners, spreading agents, anti-migrating agents, foam-forming agents, wetting agents, anti-soiling agents, thickeners, further biozides, plasticizers, adhesive agents, fragrance, pigments and dyestuffs.

42. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, comprising from about 0.001 to 95 % by weight of the insecticide and/or repellent.

43. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, which is provided as a kit for impregnation by the end-user or in a local factory.

44. (Withdrawn) The insecticide or repellent composition as claimed in claim 43 wherein the composition in the kit is adapted for preparing a solution or emulsion by adding water.

45. (Withdrawn) An impregnated textile material or plastics material for insect killing and/or repellence of an insect comprising

- a) at least one insecticide and/or at least one repellent, and
- b1) at least one acrylic binder as claimed in claim 34.

46. (Withdrawn) The impregnated textile material or plastics material as claimed in claim 45 further comprising at least one insecticide and at least one repellent.

47. (Withdrawn) The impregnated textile material or plastics material as claimed in claim 45 further comprising one or more components selected from preservatives, detergents, stabilizers, agents having UV-protecting properties, optical brighteners, spreading agents, anti-migrating agents, foam-forming agents, wetting agents, anti-soiling agents, thickeners, further biocides, plasticizers, adhesive agents, fragrance, pigments and dyestuffs.

48. (Withdrawn) The impregnated textile material or plastics material as claimed in claim 45 comprising from 0.001 to 10 % by weight of the weight of the textile material or plastics material of at least one insecticide and/or at least one repellent.

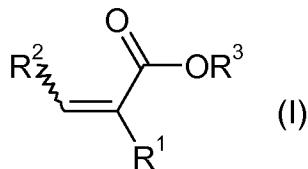
49. (Withdrawn) The impregnated textile material or plastics material as claimed in claim 48, comprising

- a) 0.01 to 10 % by weight, preferably 0.05 to 7 % by weight of the weight of the textile material or plastics material of at least one insecticide and/or at least one repellent, more preferably 0.1 to 6 % by weight of the weight of the textile material or plastics material of a

pyrethroid as at least one insecticide and/or at least one repellent, and

b1) 0.001 to 10 % by weight, preferably 0.1 to 5 % by weight, more preferably 0.2 to 3 % by weight of the weight of the textile material or plastics material of at least one acrylic binder wherein the at least one acrylic binder is a component B1 obtainable by emulsion polymerisation of the following components:

- b1a) n-butyl acrylate as component B1A,
- b1b) at least one monomer of formula I as component B1B



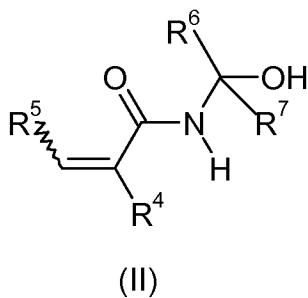
wherein

$R^1$ ,  $R^2$  and  $R^3$  are independently selected from  $C_1$ - to  $C_{10}$ -alkyl which may be linear or branched; substituted or unsubstituted aryl;

$R^1$  and  $R^2$  may further be H;

except of  $R^3$  = n-butyl, when  $R^1$  and  $R^2$  are H;

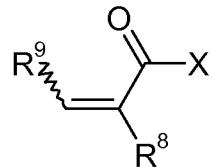
- b1c) at least one monomer of formula II as component B1C



wherein

$R^4$ ,  $R^5$ ,  $R^6$  and  $R^7$  are independently selected from the group consisting of H,  $C_1$ - to  $C_{10}$ -alkyl which may be linear or branched; substituted or unsubstituted aryl;

b1d) optionally at least one monomer of formula III as component B1D

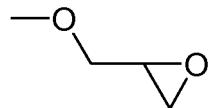


(III)

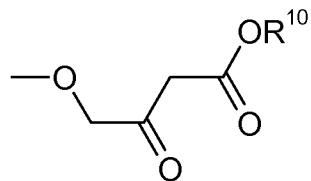
wherein

$R^8$  and  $R^9$  are independently selected from the group consisting of H, C<sub>1</sub>- to C<sub>10</sub>-alkyl which may be linear or branched; substituted or unsubstituted aryl;

$X$  is selected from the group consisting of H, OH, NH<sub>2</sub>, OR<sup>11</sup>OH, glycidyl, hydroxypropyl,



groups of the formula



wherein

$R^{10}$  is selected from the group consisting of C<sub>1</sub>- to C<sub>10</sub>-alkyl which may be branched or linear; substituted or unsubstituted aryl;

$R^{11}$  is selected from the group consisting of C<sub>1</sub>- to C<sub>10</sub>-alkylene; substituted or unsubstituted arylenes;

b1e) optionally further monomers which are copolymerizable with the monomers mentioned above selected from

- b1e1) polar monomers as component B1E1;  
and/or
- b1e2) non polar monomers as component B1E2.

50. (Withdrawn) A process for impregnation of a textile material or plastics material comprising the steps

- i) forming an aqueous formulation or a melt, comprising at least one insecticide and/or at least one repellent as defined in claim 39 and at least one acrylic binder
- ii) applying the aqueous formulation to the textile material or plastics material by
  - iia) passing the textile material or plastics material through the aqueous formulation;  
or
  - iib) bringing the textile material or plastics material in contact with a roller that is partly or fully dipped into the aqueous formulation and drawing the aqueous formulation to the side of the textile material or plastics material in contact with the roller;  
or
  - iic) double-side coating of the textile material or plastics material;  
or
  - iid) spraying the aqueous formulation onto the textile material or plastics material; wherein the spraying is carried out with any suitable device for spraying by hand or automatically, for example with an aerosol can or devices usually used in a factory;  
or
  - iie) applying the aqueous formulation in form of a foam;  
or
  - iif) submerging the textile material or plastics material into the aqueous formulation;

or

iig) brushing the aqueous formulation onto or into the textile material or plastics material;

or

iih) pouring the aqueous formulation onto the textile material or plastics material;

or

applying the melt by calandering or with a doctor-blade;

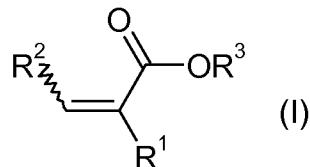
iii) optionally removing surplus aqueous formulation or surplus melt;

and

iv) drying and/or curing the textile material or plastics material;

wherein the at least one acrylic binder is component B1 obtainable by emulsion polymerisation of the following components:

b1a) n-butyl acrylate as component B1A,  
b1b) at least one monomer of formula I as component B1B



wherein

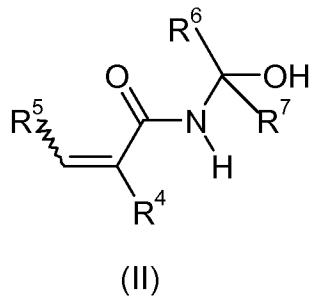
$\text{R}^1$ ,  $\text{R}^2$  and  $\text{R}^3$  are independently selected from  $\text{C}_1$ - to  $\text{C}_{10}$ -alkyl which may be linear or branched; substituted or unsubstituted aryl;

$\text{R}^1$  and  $\text{R}^2$  may further be H;

except of  $\text{R}^3 = \text{n-butyl}$ , when  $\text{R}^1$  and  $\text{R}^2$  are H;

b1c) at least one monomer of formula II as component

B1C

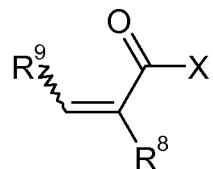


(II)

wherein

$\text{R}^4$ ,  $\text{R}^5$ ,  $\text{R}^6$  and  $\text{R}^7$  are independently selected from the group consisting of  $\text{H}$ ,  $\text{C}_1$ - to  $\text{C}_{10}$ -alkyl which may be linear or branched; substituted or unsubstituted aryl;

b1d) optionally at least one monomer of formula III as component B1D

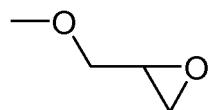


(III)

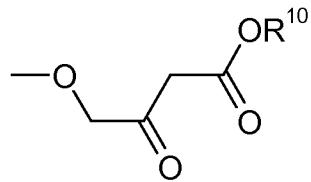
wherein

$\text{R}^8$  and  $\text{R}^9$  are independently selected from the group consisting of  $\text{H}$ ,  $\text{C}_1$ - to  $\text{C}_{10}$ -alkyl which may be linear or branched; substituted or unsubstituted aryl;

$\text{X}$  is selected from the group consisting of  $\text{H}$ ,  $\text{OH}$ ,  $\text{NH}_2$ ,  $\text{OR}^{11}\text{OH}$ , glycidyl, hydroxypropyl,



groups of the formula



wherein

$R^{10}$  is selected from the group consisting of  $C_1$ - to  $C_{10}$ -alkyl which may be branched or linear; substituted or unsubstituted aryl;

$R^{11}$  is selected from the group consisting of  $C_1$ - to  $C_{10}$ -alkylene; substituted or unsubstituted arylenes;

b1e) optionally further monomers which are copolymerizable with the monomers mentioned above selected from

b1e1) polar monomers as component B1E1;

and/or

b1e2) non polar monomers as component B1E2.

51. (Withdrawn) The process as claimed in claim 50, wherein step iia) is carried out by completely submerging the textile material or plastics material in the aqueous formulation either in a trough containing the aqueous formulation or passing the textile material or plastics material through the aqueous formulation which is held between two horizontally oriented rollers.

52. (Withdrawn) The process as claimed in claim 50, wherein the insecticide and/or repellent is an insecticide and/or repellent as defined in claim 39.

53. (Withdrawn) The process as claimed in claim 50, wherein the aqueous formulation further comprises one or more ingredients selected from the group consisting of detergents, stabilizers, agents having UV-protecting properties, optical brighteners, spreading agents, anti-migrating agents, preservatives, foam-forming agents, wetting agents, thickeners, further biozides, plasticizers, adhesive agents, anti-soiling agents, fragrance, pigments and dyestuffs.

54. (Withdrawn) The process as claimed in claim 50, wherein the dying of the textile material or plastics material is carried out simultaneously with the impregnation of the textile material or plastics material, wherein an aqueous formulation is formed further comprising at least one dyestuff and/or at least one pigment.

55. (Withdrawn) A process for coating a textile material or plastics material by applying a composition comprising at least one insecticide and/or at least one repellent and at least one acrylic binder as defined in claim 34 to the textile material or plastics material.

56. (Withdrawn) The process as claimed in claim 55, wherein the composition further comprises one or more ingredients selected from the group consisting of detergents, stabilizers, agents having UV-protecting properties, optical brighteners, spreading agents, anti-migrating agents, preservatives, foam-forming agents, anti-soiling agents, wetting agents, thickeners, further biozides, plasticizers, adhesive agents, fragrance, pigments and dyestuffs.

57. (Withdrawn) The impregnated textile material or plastics material as claimed in claim 45, wherein the textile material or plastics material is a netting made from polyester, especially polyethylene terephthalate.

58. (Withdrawn) The insecticide or repellent composition as claimed in claim 34, additionally comprising a fixative agent.

59. (Withdrawn) The insecticide or repellent composition as claimed in claim 58, wherein the fixative agent is an isocyanurate comprising free isocyanate groups, preferably an isocyanurate based on alkylene diisocyanates having from 4 to 12 carbon atoms in the alkylene unit, like 1,12-dodecane diisocyanate, 2-ethyltetramethylene diisocyanate-1,4, 2-methylpentamethylene diisocyanate-1,5, tetramethylene diisocyanate-1,4, lysinester diisocyanate (LDI), hexamethylene diisocyanate-1,6 (HMDI), cyclohexane-1,3-and/or-1,4-diisocyanate, 2,4- and 2,6-hexahydro-toluylene diisocyanate as well as the corresponding isomeric mixtures 4,4'-2,2'- and 2,4'-dicyclohexylmethane diisocyanate as well as the corresponding mixtures, 1-isocyanato-3,3,5-trimethyl-5-isocyanatomethyl cyclohexane (IPDI), 2,4- and/or 2,6-toluylene diisocyanate, 4,4'-, 2,4' and/or 2,2'-diphenylmethane diisocyanate (monomeric MDI),

polyphenylpolymethylene polyisocyanate (polymeric MDI) and/or mixtures comprising at least 2 of the isocyanates mentioned before, more preferably the isocyanurates are based on hexamethylene diisocyanate-1,6 (HMDI);

wherein the isocyanurate is in a preferred embodiment hydrophilized with a polyalkylene oxide based on ethylene oxide and/or 1,2-propylene oxide, preferably polyethylene oxide.

60. (Withdrawn) The insecticide or repellent composition as claimed in claim 59, wherein the fixative agent is an isocyanurate based on HMDI which is hydrophilized with a polyethylene oxide and which is dissolved in propylene carbonate (70 % by weight of HMDI in 30 % by weight of propylene carbonate), wherein the amount of free isocyanate groups is 11 to 12 % by weight, based on the amount of isocyanate used as starting material for the preparation of the isocyanurate.

61. (Withdrawn) The insecticide or repellent composition as claimed in claim 58 comprising the following components, based on the solids content of the composition:

a) 20 to 70 % by weight, preferably 25 to 65 % by weight, more preferably 30 to 65 % by weight of at least one insecticide and/or at least one repellent (component A), and

b1) 29 to 72 % by weight, preferably 34 to 70 % by weight, more preferably 33 to 66 by weight of at least one acrylic binder (component B1) as defined above, comprising;

b1a) 10 to 90% by weight, preferably 15 to 80% by weight, more preferably 20 to 70% by weight based on the acrylic binder of n-butyl acrylate (component B1A);

b1b) 10 to 90% by weight, preferably 12 to 85% by weight, more preferably 15 to 65% by weight based on the acrylic binder of at least one monomer of formula I (component B1B);

b1c) 1 to 5 % by weight based on the acrylic binder of at least one monomer of formula II (component B1C);

b1d) 0 to 5 % by weight, preferably 1 to 4 % by weight, more preferably 0.2 to 3% by weight based on the acrylic binder of at least one monomer of formula III (component B1D);

b1e) further monomers which are copolymerizable with the monomers mentioned (component B1E) above selected from

b1e1) 0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably 5 to 20 % by weight based on the acrylic binder of at least one polar monomer, preferably (meth)acrylic nitrile and/or methyl(meth)acrylate (component B1E1); and/or

b1e2) 0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably 5 to 20 % by weight based on the acrylic binder of at least one non polar monomer, preferably styrene and/or  $\alpha$ -methylstyrene (component B1E1);

c) 1 to 8 % by weight, preferably 1 to 5 % by weight, more preferably 2 to 4 % by weight of at least one fixative agent (component C);

wherein the sum of the components is 100 % by weight of solids content of the insecticide composition.

62. (Withdrawn) The process as claimed in claim 50, wherein the curing in step iv) is carried out at 60 to 170 °C.

63. (Previously Presented) The insecticide and/or repellent composition as claimed in claim 38, wherein the textile material or plastics material is a polyester netting material.

64. (Previously Presented) The insecticide and/or repellent composition as claimed in claim 38, wherein the component A is alpha-Cypermethrin.

65. (Currently amended) The insecticide and/or repellent composition as claimed in claim 38 comprising:

a) 6.4 g/L to 16 g/L of alpha-Cypermethrin as component A,

b1) 10 g/L to 16.7 g/L of an acrylic binder as claimed in ~~claim 5~~ claim 38 as component B1,

c) 0 g/L to 0.83 g/L, ~~preferably 0.5 g/L to 0.83 g/L~~ of a fixative agent which is an isocyanurate based on ~~HMDI hexamethylene diisocyanate-1,6 (HMDI)~~, which is hydrophilized with a polyethylene oxide and which is dissolved in propylene carbonate (70 % by

weight of HMDI in 30 % by weight of propylene carbonate), wherein the amount of free isocyanate groups is 11 to 12 % by weight, based on the amount of isocyanate HMDI used as starting material for the preparation of the isocyanurate, as component C, and water.

66. (Withdrawn) An impregnated polyester netting material comprising

- a) 0.32 to 1.6 % by weight of the weight of the polyester netting material of alpha-Cypermethrin as component A,
- b1) 1 to 1.5 % weight of the weight of the polyester netting material of an acrylic binder as claimed in claim 5 as component B1.

67. (Currently amended) The insecticide or repellent composition as claimed in claim 37, wherein the insecticide is selected from

pyrethroid compounds, preferably selected from the group consisting of:  
Etofenprox: 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether,  
Chlorfenapyr: 4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-(trifluoromethyl)-pyrrole-3-carbonitrile,  
Fenvalerate: (RS)-alpha-cyano-3-phenoxybenzyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate,  
Esfenvalerate: (S)-alpha-cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)-3-methylbutyrate,  
Fenpropathrin: (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropane-carboxylate,  
Cypermethrin: (RS)-alpha-cyano-3-phenoxybenzyl (1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,  
alpha-Cypermethrin: racemate comprising the (S)- $\alpha$  -(1R) and (R)- $\alpha$  -(1S) diastereomers,  
Permethrin: 3-phenoxybenzyl (1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,

*Cyhalothrin*: (RS)-alpha-cyano-3-phenoxybenzyl (Z)-(1RS)-cis-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate, lambda-cyhalothrin,

*Deltamethrin*: (S)-alpha-cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate,

*Cycloprothrin*: (RS)-alpha-cyano-3-phenoxybenzyl (RS)-2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate,

*Fluvalinate*: alpha-cyano-3-phenoxybenzyl N-(2-chloro-alpha, alpha, alpha, alpha-trifluoro-p-tolyl)-D-valinate,

*Bifenthrin*: (2-methylbiphenyl-3-ylmethyl)0(Z)-(1RS)-cis-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate,

2-methyl-2-(4-bromodifluoromethoxyphenyl)propyl (3-phenoxybenzyl)ether,

*Tralomethrin*: (S)-alpha-cyano-3-phenoxybenzyl (1R-cis)3((1'RS)(1', 2', 2', 2'-tetrabromoethyl))-2,2-dimethylcyclopropanecarboxylate,

*Silafluofen*: 4-ethoxyphenyl(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane phenoxyphenyl)propyl)dimethylsilane,

D-fenothrin: 3-phenoxybenzyl (1R)-cis, trans)-chrysanthemate,

*Cyphenothrin*: (RS)-alpha-cyano-3-phenoxybenzyl (1R-cis, trans)-chrysanthemate, D-resmethrin: 5-benzyl-3-furylmethyl (1R-cis, trans)-chrysanthemate,

*Acrinathrin*: (S)-alpha-cyano-3-phenoxybenzyl (1R-cis(Z))-(2,2-dimethyl-3-(oxo-3-(1,1,1,3,3,3-hexafluoropropoxy)propenyl)cyclopropanecarboxylate,

*Cyfluthrin*: (RS)-alpha-cyano-4-fluoro-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,

*Tefluthrin*: 2,3,5,6-tetrafluoro-4-methylbenzyl (1RS-cis (Z))-3-(2-chloro-3,3,3-trifluoro-prop-1-enyl)-2,2-dimethylcyclopropanecarboxylate,

*Transfluthrin*: 2,3,5,6-tetrafluorobenzyl (1R-trans)-3-(2,2-dichlorovinyl)-2,2-dimethyl-cyclopropanecarboxylate,

*Tetramethrin*: 3,4,5,6-tetrahydraphthalimidomethyl (1RS)-cis, trans-chrysanthemate,

*Allethrin*: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1RS)-cis, trans-chrysanthemate,

Prallethrin: (S)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (1R)-cis, trans-chrysanthemate,

Empenthrin: (RS)-1-ethynyl-2-methyl-2-pentenyl (1R)-cis,trans-chrysanthemate,

Imiprothrin: 2,5-dioxo-3-(prop-2-ynyl)imidazolidin-1-ylmethyl (1R)-cis, trans-2,2-dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylate,

D-flamethrin: 5-(2-propynyl)-furfuryl (1R)-cis, trans-chrysanthemate, and 5-(2-propynyl)furfuryl 2,2,3,3-tetramethylcyclopropanecarboxylate;

Pyriproxyfen: 4-phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether;  
pyrethrum;

d-d, trans-cyphenothrin: (RS)- $\alpha$ -cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate; and  
DDT;

Carbamate compounds, preferably selected from the group consisting of

Alanycarb: S-methyl-N[[N-methyl-N-[N-benzyl-N(2-ethoxy-carbonylethyl)amino-thio]carbamoyl]thioacetimidate,

Bendiocarb: 2,2-dimethyl-1,3-benzodioxol-4-yl-methylcarbamate),  
Carbaryl(1-naphthyl N-methylcarbamate,

Isoprocarb: 2-(1-methylethyl)phenyl methylcarbamate,

Carbosulfan: 2,3 dihydro-2,2-dimethyl-7-benzofuranyl[(dibutylamino)thio]methyl-carbamate,

Fenoxy carb: Ethyl[2-(4-phenoxyphenoxy)ethyl]carbamate,

Indoxacarb: Methyl-7-chloro-22,3,4°,5-tetrahydro-2-[methoxycarbonyl (-4-trifluoromethoxyphenyl)]

Propoxur: 2-isopropoxyphenol methylcarbamate,

Pirimicarb: 2-dimethylamino-5,6-dimethyl-4-pyrimidinyl-dimethylcarbamate,

Thiodiocarb: Dimethyl N,N'(thiobis((methylimino)carbonoyloxy)bisethanimidiothioate);

Methomyl: S-methyl N-((methylcarbamoyl)oxy)thioacetamidate,

Ethiofencarb: 2-((ethylthio)methyl)phenyl methylcarbamate,

Fenothiocarb: S-(4-phenoxybutyl)-N,N-dimethyl thiocarbamate,  
Cartap: S,S'-(2-5 dimethylamino)trimethylene)bis (thiocarbamate)hydrochloride,  
Fenobucarb: 2-sec-butylphenylmethyl carbamate,  
XMC: 3,5-dimethylphenyl-methyl carbamate, and  
Xylylcarb: 3,4-dimethylphenylmethylcarbamate;

organophosphorous compounds, preferably selected from the group consisting of  
Trichlorfon: Phosphoric acid, (2,2,2-trichloro-1-hydroxyethyl)-, dimethyl ester  
Fenitrothion: O,O-dimethyl O-(4-nitro-m-tolyl)phosphorothioate,  
Diazinon: O,O-diethyl-O-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate,  
Pyridaphenthion: O-(1,6-dihydro-6-oxo-1-phenylpyrazidin-3-yl) O,O-diethyl phosphorothioate,

Pirimiphos-Etyl: O,O-diethyl O-(2-(diethylamino)6-methyl-pyrimidinyl)phosphorothioate,

Pirimiphos-Methyl: O-[2-(diethylamino)-6-methyl-4 pyrimidinyl] O,O-dimethyl phosphorothioate,

Etrimphos: O-6-ethoxy-2-ethyl-pyrimidin-4-yl-O,O-dimethyl-phosphorothioate,  
Fenthion: O,O-dimethyl-O-[3-methyl-4-(methylthio)phenyl phosphorothioate,  
Phoxim: 2-(diethoxyphosphinothoxyimino)-2-phenylacetonitrile,  
Chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyrinyl)phosphorothioate,  
Chlorpyriphosmethyl: O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate,

Cyanophos: O,O-dimethyl O-(4 cyanophenyl)phosphorothioate,  
Pyraclofos: (R,S)[4-chlorophenyl]-pyrazol-4-yl]-O-ethyl-S-n-propyl phosphorothioate,

Acephate: O, S-dimethyl acetylphosphoroamidothioate,  
Azamethiphos: S-(6-chloro-2,3-dihydro-oxo-1,3-oxazolo[4,5-b]pyridine-3-ylmethyl phosphorothioate,

Malathion: O,O-dimethyl phosphorodithioate ester of diethyl mercaptosuccinate,  
Temephos: (O,O'(thiodi-4-1-phenylene) O,O,O,O-tetramethyl

phosphorodithioate,

Dimethoate: ((O,O-dimethyl S-(n-methylcarbamoylethyl)phosphorodithioate,

Formothion: S[2-formylmethylamino]-2-oxoethyl]-O,O-dimethyl phosphorodithioate,

Phenthroate: O,O-dimethyl S-(alpha-ethoxycarbonylbenzal)-phosphorodithioate;

and

Iodofenphos: O-(2,5-dichloro-4-iodophenyl)-O,O-dimethyl-phosphorthioate;

Insecticides with a sterilising effect on adult mosquitoes, preferably selected from the group consisting of

1-(alfa-(chloro-alpha-cyclopropylbenzylidenamino-oxy)-p-tolyl)-3-(2,6-difluorobenzoyl)urea,

Diflubenzuron: N-(((3,5-dichloro-4-(1,1,2,2-tetraflouroethoxy)phenylamino)carbonyl)2,6 difluoro benzamid,

Triflumuron: 2-Chloro-N-(((4-(trifluoromethoxy)phenyl)-amino-)carbonyl)benzamide, ~~or a triazin~~, preferably and

N-cyclopropyl-1,3,5-triazine-2,4,6-triamin; and

Lambda-cyhalothrine:

$\alpha$ -cyano-3-phenoxybenzyl-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropane carboxylate, as a 1:1 mixture of (Z)-(1R,3R), R-ester and (Z)-(1S,3S), S-ester; and

the repellent is selected from the group consisting of N,N-Diethyl-meta-toluamide (DEET), N,N-diethylphenylacetamide (DEPA), 1-(3-cyclohexan-1-yl-carbonyl)-2-methyl-piperine, (2-hydroxymethylcyclohexyl) acetic acid lactone, 2-ethyl-1,3-hexandiol, indalone, Methylneodecanamide (MNDA), ~~a pyrethroid not used for insect control, preferably~~ ~~{(+/-)-3-allyl-2-methyl-4-oxocyclopent-2-(+)-enyl-(+)-trans-chrysantemate (Esbiothrin), a repellent derived from or identical with plant extracts, preferably~~ limonene, eugenol, (+)-Eucamalol (1),

and (-)-1-epi-eucamalol or from crude plant extracts ~~from plants like~~selected from the group consisting of Eucalyptus maculata, Vitex rotundifolia, Cymbopogan martinii, Cymbopogan citratus (lemon grass), Cymopogan nardus (citronella), IR3535 (ethyl butylacetylaminopropionate), and icaridin (1-piperidinecarboxylic acid 2-(2-hydroxyethyl)-1-methylpropylester);

niclosamide as suitable mulloscicide;

suitable rodenticides of first generation anticoagulant rodenticides and second generation anticoagulant rodenticides selected from the group consisting of warfarin, chlorphacinone, coumatetralyl as first generation anticoagulant rodenticides, and flocoumafen, brodifacoum, difenacoum, bromadiolone, difethialone, and bromethalin as second generation anticoagulant rodenticides;

antifungal agents as fungicides used in the case of athlete's foot selected from the group consisting of clotrimazole: 1-(2-chlorotriyl)imidazole, miconazole: 1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-1H-imidazole, econazole 4-[2-[(4-chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-4H-imidazole, tioconazole: 1-[2-[(2-chloro-3-thienyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-1H-imidazole, undecylenic acid, terbinafine hydrochloride: N,6,6-trimethyl-N-(naphthalen-4-ylmethyl)hept-2-en-4-yn-1-amine hydrochloride (lamisil topical), and tolnaftate: N-methyl-N-(m-tolyl)-1-naphthalen-3-yloxy-thioformamide;

further fungicides, preferably

Azoles, preferably selected from the group consisting of Bitertanol, Bromoconazol, Cyproconazol, Difenoconazole, Dinitroconazol, Epoxiconazol, Fenbuconazol, Fluquiconazol, Flusilazol, Flutriafol, Hexaconazol, Imazalil, Ipconazol, Metconazol, Myclobutanil, Penconazol, Propiconazol, Prochloraz, Prothioconazol, Simeconazol, Tebuconazol Teraconazol, Triadimefon, Triadimenol, Triflumizol, and Triticonazol;

Strobilurines, preferably selected from Azoxystrobin, Dimoxystrobin, Fluoxastrobin, Kresoxim-methyl, Metominostrobin Orysastrobin, Picoxystrobin, Pyraclostrobin, and Trifloxystrobin;

~~Acylalanines, preferably selected from Benalaxyl, Metalaxyl, Mefenoxam, Ofurace, and Oxadixyl;~~

~~Aminderivatives, preferably selected from Aldimorph, Dodine, Dodemorph, Fenpropimorph, Fenpropidin, Guazatine, Iminoctadine, Spiroxamin, and Tridemorph;~~

~~Anilinopyrimidines, preferably selected from Pyrimethanil, Mepanipyrim, and Cyprodinil;~~

~~Dicarboximides, preferably selected from Iprodion, Myclozolin, Procymidon, and Vinclozolin;~~

~~Cinnamic acid amide and analogs, preferably selected from Dimethomorph, Flumetover, and Flumorph;~~

~~Antibiotics, preferably selected from Cycloheximid, Griseofulvin, Kasugamycin, Natamycin, Polyoxin, and Streptomycin;~~

~~Dithiocarbamates, preferably selected from Ferbam, Nabam, Maneb, Mancozeb, Metam, Metiram, Propineb, Polycarbamat, Thiram, Ziram and Ziram, Zineb;~~

~~Heterocyclic compounds, preferably selected from Anilazin, Benomyl, Boscalid, Carbendazim, Carboxin, Oxycarboxin, Cyazofamid, Dazomet, Dithianon, Famoxadon, Fenamidon, Fenarimol, Fuberidazol, Flutolanil, Furametpyr, Isoprothiolan, Mepronil, Nuarimol, Picobenzamid, Probenazol, Proquinazid, Pyrifenoxy, Pyroquilon, Quinoxifen, Silthiofam, Thiabendazol, Thifluzamid, Thiophanat-methyl, Tiadinil, Tricyclazol, and Triforine M inorganics;~~

~~Nitrophenylderivatives, preferably selected from Binapacryl, Dinocap, Dinobuton, Nitrophthal-isopropyl;~~

~~Phenylpyrrole~~ Fenpiclonil, and Fludioxonil;

~~Sulfonic acid derivatives, preferably selected from Captafol, Captan, Dichlofluanid, Folpet, and Tolyfluanid;~~

~~Further fungicides, preferably selected from Acibenzolar-S-methyl, Benthiavalicarb, Carpropamid, Chlorothalonil, Cyflufenamid, Cymoxanil, Dazomet, Diclomezin, Diclocten, Diclofluanid, Diethofencarb, Edifenphos, Ethaboxam, Fenhexamid, Fentin-Acetat, Fenoxanil, Ferimzone, Fluazinam, Fosetyl, Fosetyl-Aluminium, Phosphorige Säure phosphorous acid,~~

Iprovalicarb, Hexachlorbenzol, Metrafenon, Pencycuron, Propamocarb, Phthalid, Toloclofomethyl, Quintozene, and Zoxamid.

68. (Previously Presented) The insecticide or repellent composition as claimed in claim 37, which is provided as a kit for impregnation by the end-user or in a local factory.

69. (Previously Presented) An impregnated textile material or plastics material for insect killing and/or repellence of an insect comprising

- a) at least one insecticide and/or at least one repellent, and
- b1) at least one acrylic binder as claimed in claim 37.

70. (Withdrawn) A process for impregnation of a textile material or plastics material comprising the steps

- i) forming an aqueous formulation or a melt, comprising at least one insecticide and/or at least one repellent as defined in claim 39 and at least one acrylic binder and optionally further ingredients;
- ii) applying the aqueous formulation to the textile material or plastics material by
  - iia) passing the textile material or plastics material through the aqueous formulation;
  - or
  - iib) bringing the textile material or plastics material in contact with a roller that is partly or fully dipped into the aqueous formulation and drawing the aqueous formulation to the side of the textile material or plastics material in contact with the roller;
  - or
  - iic) double-side coating of the textile material or plastics material;
  - or
  - iid) spraying the aqueous formulation onto the textile material or plastics material; wherein the spraying is carried out with any suitable device for spraying by hand or automatically, for example with an aerosol can or devices usually used in a factory;

or

ii(e) applying the aqueous formulation in form of a foam;

or

ii(f) submerging the textile material or plastics material into the aqueous formulation;

or

ii(g) brushing the aqueous formulation onto or into the textile material or plastics material;

or

ii(h) pouring the aqueous formulation onto the textile material or plastics material;

or

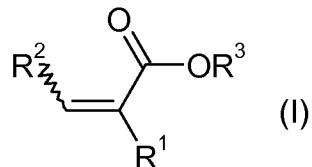
applying the melt by calandering or with a doctor-blade;

iii) optionally removing surplus aqueous formulation or surplus melt; and

iv) drying and/or curing the textile material or plastics material;

wherein the at least one acrylic binder is a component B1 obtainable by emulsion polymerisation of the following components:

b1a) n-butyl acrylate as component B1A,  
b1b) at least one monomer of formula I as component B1B



wherein

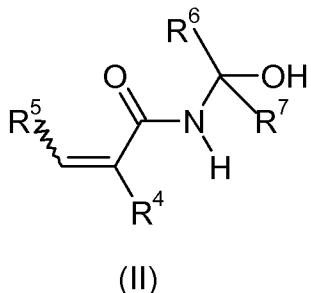
$\text{R}^1$ ,  $\text{R}^2$  and  $\text{R}^3$  are independently selected from  $\text{C}_1$ - to  $\text{C}_{10}$ -alkyl which may be linear or branched; substituted or unsubstituted aryl;

$\text{R}^1$  and  $\text{R}^2$  may further be H;

except of  $\text{R}^3 = \text{n-butyl}$ , when  $\text{R}^1$  and  $\text{R}^2$  are H;

b1c) at least one monomer of formula II as component

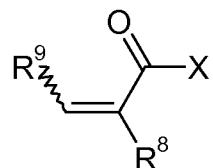
B1C



wherein

$R^4$ ,  $R^5$ ,  $R^6$  and  $R^7$  are independently selected from the group consisting of H, C<sub>1</sub>- to C<sub>10</sub>-alkyl which may be linear or branched; substituted or unsubstituted aryl;

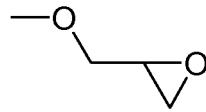
b1d) optionally at least one monomer of formula III as component B1D



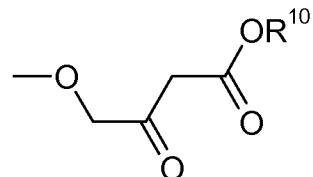
wherein

$R^8$  and  $R^9$  are independently selected from the group consisting of H, C<sub>1</sub>- to C<sub>10</sub>-alkyl which may be linear or branched; substituted or unsubstituted aryl;

X is selected from the group consisting of H, OH, NH<sub>2</sub>, OR<sup>11</sup>OH, glycidyl, hydroxypropyl,



groups of the formula



wherein

$R^{10}$  is selected from the group consisting of  $C_1$ - to  $C_{10}$ -alkyl which may be branched or linear; substituted or unsubstituted aryl;

$R^{11}$  is selected from the group consisting of  $C_1$ - to  $C_{10}$ -alkylene; substituted or unsubstituted arylenes;

b1e) optionally further monomers which are copolymerizable with the monomers mentioned above selected from

b1e1) polar monomers as component B1E1;

and/or

b1e2) non polar monomers as component B1E2.

71. (Previously Presented) A process for coating a textile material or plastics material by applying a composition comprising at least one insecticide and/or at least one repellent and at least one acrylic binder as defined in claim 37 to the textile material or plastics material.

72. (Currently amended) The impregnated textile material or plastics material as claimed in claim 71, wherein the textile material or plastics material is a netting made from polyester, especially polyethylene terephthalate.

73. (Previously Presented) The insecticide or repellent composition as claimed in claim 37, additionally comprising a fixative agent.